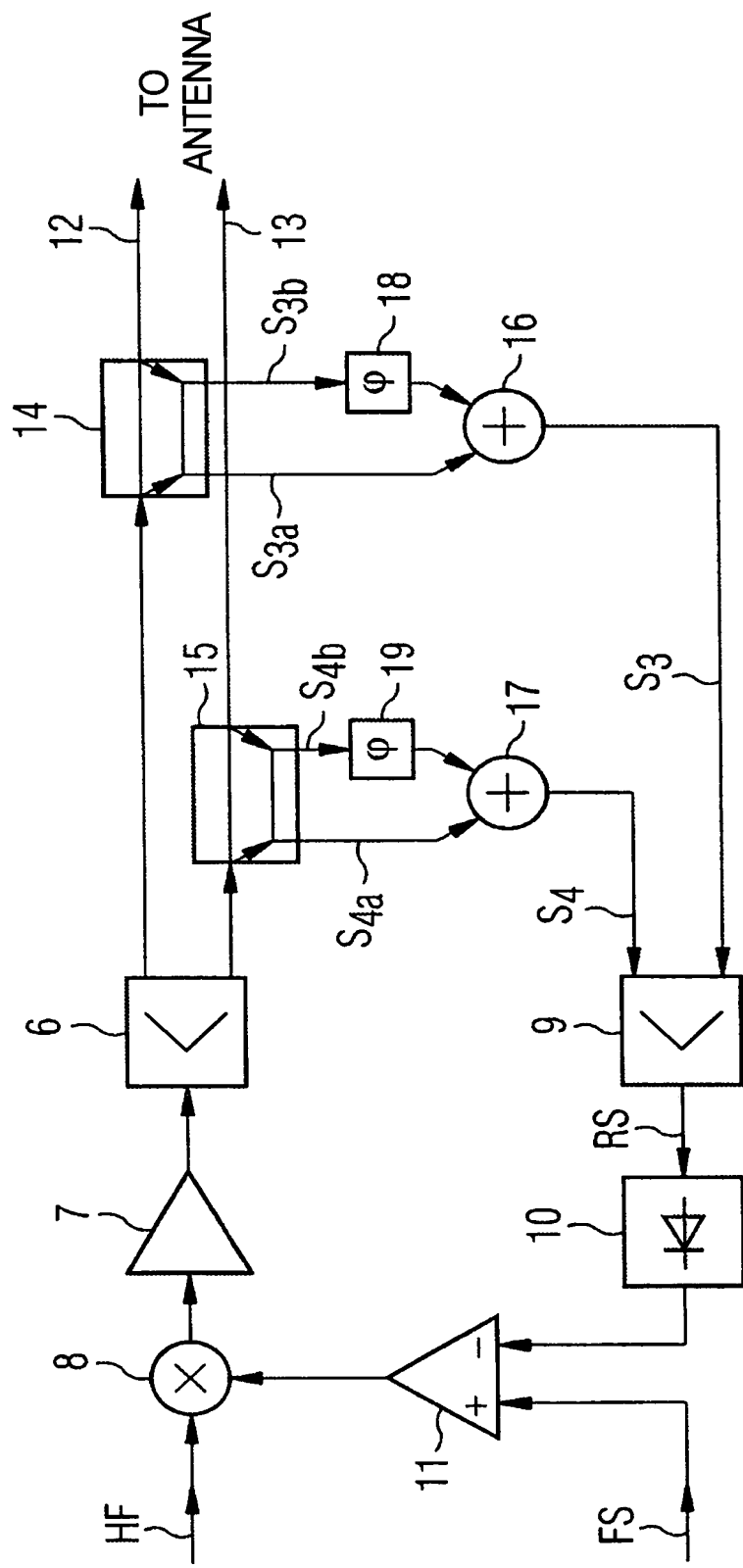


FIG 2



Block diagram of a probe calibration system. The system includes an HF input, a multiplier (8), a phase shifter (20), an amplifier (7), a divider (6), a divider (9), two diode detectors (23, 10), an adder (11), and a subtracter (21). The HF input splits into two paths. The top path goes through multiplier 8, phase shifter 20, amplifier 7, and divider 6 to outputs 12 and 13 labeled "TO ANTENNA". The bottom path goes through divider 9 to outputs S1 and S2 labeled "FROM PROBES". The output of divider 9 is RS, which branches to multiplier 22 and two diode detectors 23 and 10. The output of 23 goes through adder 11 to multiplier 8. The output of 22 goes through subtracter 21 to phase shifter 20.